

FROSH CAMP TO BE HERE SENIOR WEEK SALES START

**\$4.00 Price
For Options
Is Offered**

**Campaign Is Begun
With Senior Ball
Scheduled Soon**

Offering Seniors an opportunity to save a dollar by buying early, the Senior Week Committee will place options on sale July 30 to August 4. These options, priced at \$4.00, may be paid for in cash, or by means of a Bursar's pledge or an R.O.T.C. pledge, thus charging the purchase price against the student's Bursar's account or R.O.T.C. check.

The Committee recently revealed plans to hold the annual Senior Dance next month, on Friday night, August 28. This dance, as usual, will be free to all Seniors. The dance will be held in Walker Memorial, and the music is to be supplied by a local band, as yet not signed up.

Graduation on Feb. 1

The Faculty Committee on Graduation has stated that graduation will take place on Monday, February 1, 1943. Therefore Senior Week will be held over the preceding week-end, starting on Thursday.

The tentative program, according to present plans, will be much the same as the Class of 1942's Senior Week. The first event of the week will probably be the stag banquet,

(Continued on Page 4)

**New Debating Coach
Is To Join Staff**

**Mr. Glenn Leggett
From Ohio State
Will Teach G67, 68**

A new member of the English Department staff in the person of Mr. Glenn Leggett from Ohio State and in the newly created position of debating instructor, will join the Institute at the start of the fall term this September. Mr. Leggett's duties will consist of coaching the debating teams and teaching a new general study in debating.

The new subject, principles of debating, under the designation of G67 and G68, will carry four hours' credit on a 2-2 basis. Open to all students, the course is designed to give the ability to organize and present material in the best possible way, and the ability to defend one's position under fire.

Will Handle Teams

The handling of the freshman and varsity debating teams will take up half of Mr. Leggett's time instead of, as formerly, being divided between various members of the English Department's staff. However, this will not affect the functioning of the Debating Society, which will continue to arrange and hold the intercollegiate debates and manage the other activities as in previous years.

It will be Mr. Leggett's duty to see that each team is well prepared for the coming debate, and he will pick the members of the team from the men best prepared. His own training includes debating on the varsity team of Middlebury College and being an instructor in the Ohio State English Department.

379 Technology Sophomores Doing Their Part in Industry

The Class of 1944 is doing its part to bring about a quick and successful culmination of the present world catastrophe, a survey recently conducted by the Employment Bureau shows. 379 members of the class are occupied by war industries, 129 are taking summer courses that will fit them more properly for wartime jobs, and only 7 are unemployed.

The instrument, tool, and machinery industries have employed the greatest number of Sophomores, 57, followed by shipbuilding which has hired 46. Aircraft and aircraft parts companies pass out paychecks every week to 45 Technology under-

graduates. Electrical equipment manufacturers have given positions to 40 men, while 33 put in their eight hours a day in various chemical, oil, and dye corporations.

Utilities Hire 24

Utilities and service companies employ 24 and 23 men respectively. Steel and metals have hired a total of 27 Sophomores. The remaining are spending their time at pure research, in construction, paper, glass, rubber, jute, rope, textile, canning, and pharmaceutical companies, and in the fields of transportation, dairy-farming, consultant engineering, and educational travel.

One man has gone farther than industry to find his position in the national war effort and is occupied as a ship's radio operator.

15 Aliens Unemployed

Besides these 379, 17 members of the Class of 1944 have jobs with companies whose names are not known at the Employment Bureau. 15 Sophomores are aliens and can not hold positions in vital war industries. 21 of the men included in the total of employees are attending summer school for one term and working for the remaining eight weeks.

The Sophomore placement program was undertaken this year for the first time in the history of the Institute as a result of the Institute's policy of acceleration which called for speed-up in the Senior year and for employment in war industries in the summer following the Sophomore terms.

Technique Sales Start This Week

The 1943 Technique, Institute yearbook, will go on sale for the first time this week for four dollars apiece. Orders will be received by any board member and in the Technique office on the third floor of Walker Memorial from 9:00 A.M. until 6:00 P.M.

A down payment of fifty cents will reserve a copy for the purchaser. The balance of \$3.50 can be paid at the Bursar's office with tuition in September.

Research, Instruction Are Continuing With No Let-Up During Summer Term

With no let-up in its war efforts this summer, the Institute is engaged to the limits of its resources in research and education in fields vital to the advancement of the nation's war program.

In addition to the accelerated program for Seniors, who have almost completed a half semester's work and will begin the second half of the semester next Tuesday, July 28, the Institute is conducting a number of special conferences, is offering special courses directly related to the war effort, and has enrolled what is probably the largest contingent of Army and Navy officers for special training.

The East-West Association is a new organization, formed a month ago, and sponsored by the Foreign Languages Department. Its purpose is "mainly cultural" — to spread knowledge of the various countries among the members of the organization. Everyone has been invited to attend this first meeting.

Wartime Uncertainties Force T.C.A. To Hold Annual Affair On Campus

Senior Class Rings To Be Ready August 20

Senior class rings will be ready for distribution on August 20. Those Seniors who have already ordered rings will receive notification by card prior to August 20 which will state the balance due.

The representative of L. G. Balfour will be at the Institute at that time to distribute the rings and to take orders from those Seniors wishing to order at that time.

Fourteen Seniors Join Membership Of Tau Beta Pi

Initiation Is Planned For Monday, August 3, At Informal Meeting

Fourteen members of the Class of 1943 were elected to Tau Beta Pi, national honorary fraternity, last Monday evening following a smoker at which the prospective initiates were entertained.

The electees are Frank E. Briber, Jr., John E. Gardner, Jr., Raymond E. Hahn, John E. Harsh, Charles A. Hathaway, Stewart M. Hill, Robert L. Lichten, John W. McDonough, Jr., Harry Ottinger, Jr., Donald M. Powers, Louis D. Schwartz, Jr., Wimon Wiriawit, Ernest Mills Spear, and Hans Emil Wohlwill.

Informal Initiation

The new members will be informally initiated on Monday, August 3, at 7:45 P.M. in Tyler Lounge. These fourteen men complete the membership of Tau Beta Pi to be elected from the Class of 1943.

The fraternity has continued its normal activities during the first period of the summer session. The members attended a Chinese dinner party last night at the home of Professor Frederick K. Morris of the Department of Geology.

He lectured after the dinner on the topography of the east and the part it would play in the war.

Steering Committee Has Been Appointed For Determining Best Possibilities

Faced with wartime uncertainty of transportation and housing facilities, the T.C.A. recently voted to change the site of its annual Freshman Camp of September 27, 28, from Lake Massapoag to the Institute. To determine the best program possible under these new conditions a Steering Committee on Freshman Camp was appointed to assist Sid F. Atlas, '43, director of the program.

The problem of transporting safely four hundred odd members of the Class of '46 from the nearest railway to the camp site was enhanced by the strict wartime ration rules and uncertainties of September weather. In addition, the tents used to house the freshman were formerly borrowed from Camp Devens and could not be counted on this year because of wartime expansion of the camp.

To Include Picnic

A tentative program adopted by the committee calls for a tour of the Institute, and the regular series of talks by representatives of the sports and the Class A activities. Also the All-Tech Smoker would be held Saturday nite instead of Monday, as before.

The Steering Committee appointed by the Executive Committee of the T.C.A. consists of Sid F. Atlas, '43, chairman, Professor Leicester F. Hamilton; Kenneth R. Wadleigh, A.A. president; Waldo F. Davis, president of the 5:15 club; Warren E. Foster, I.F.C. chairman; Robert J. Shaefer, Dormitory Committee Chairman; S. Richard Childerhouse, president of the Institute Committee; and John F. Tyrrell, General Manager of The Tech.

Other members are James T. Harker, director of last year's camp; Robert W. Maxwell, chairman of the All-Tech Smoker Committee; Clinton C. Kemp, president of the T.C.A.; and Wallace M. Ross, General Secretary of the T.C.A.

Gratiot Elected Secretary Of I. F. C.

J. Peter Gratiot, 43, member of Delta Psi, was elected secretary of the Interfraternity Conference at the last meeting of that body on Thursday, July 16, in the Dutch Room of the Graduate House. All but eight houses sent representatives to the meeting.

It was the first meeting of the I.F.C. since the end of the last term. Plans were discussed for an outing of some sort to be held during the second half of the summer session. No committee was appointed, however, and no conclusion was reached.

It was revealed that cards had been sent to prospective freshmen upon which they were to place their time of arrival in Boston and their place of residence in Boston. These cards will be placed on file in the T.C.A. office for the use of fraternities during rushing week.

Graduate Programs

In addition, the Institute is offering four accelerated programs for graduate students, leading to the degree of Master of Public Health or to the Certificate in Public Health. This program began on June 8 and continues through (Continued on Page 4)

The Tech



Vol. LXII

Tuesday, July 21, 1942

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AN APPROPRIATE FRESHMAN CAMP

From the north, the east, the south, and the west, from the dinkiest high and the swankiest preparatory schools, from cities, large and small, seven hundred starry-eyed and eager freshmen will come to the Institute next fall to embark upon a course of study which will prepare them to play an active and effective part in America's struggle against the Axis powers. At a time when the entire nation is pulling toward the same goal, it is imperative that these incoming freshmen realize the purpose of their education and that they enter their initial year as a unit striving for that common goal.

The freshman camp, as modified to fit the tenor of the times, should provide the necessary means for impressing the freshmen with the importance of their position and work. Although the camp on campus will impose certain difficulties upon the committee in charge and upon the freshmen, hard work and sensible planning, as the books say, can overcome the meanest of handicaps. On the other hand, the new situation may offer certain advantages: athletic and extra-curricular facilities will be near at hand, for instance.

Its greatest advantage, however, will come in the effect that it will have upon the freshmen. The theme of the 1942 freshman camp should be one of patriotism, of devotion to the nation's cause, and of willingness to serve in our capacity for that cause. A camp where gaiety and frivolity reign, where we listen to speeches advising us how to gain the greatest personal satisfaction from our four years at Tech, and where we use precious gas and crowded rail facilities for travel is not in order.

We believe that the members of the Class of 1946 will come to Cambridge with an eye, not to the future, but to the present and with an uncrystallized feeling that they should serve their country to the fullest of their ability. The freshman camp must provide the means of developing that feeling into an apparent, living desire, and that can be best accomplished in Cambridge on the banks of the Charles.

GRADUATION BRR!!

Graduation means spring, sweltering at Baccalaureate, white suits at Class Day, summer formals at the last dance, black gowns in the June sun, your best girl, sultry nights—but not this year. Technology's second crop of war-time engineers will make its appearance to the tune of wailing wintry winds and air raid sirens.

Far be it from The Tech to offer any advice to an able committee, but Dartmouth has reigned too long as the leader of the shivering set. Perhaps it's asking too much of any committee to whip up a creamy carnival complete with traditions in one year, but the latent energy stored up in 600 studied-out, prospective graduates after 15 months of diligent labor ought to be sufficient to create a mild flurry.

Perhaps a varsity hockey game in the Boston Garden followed by a super skating party on the aforementioned ice could be arranged. If nothing else, a feature such as this would give Senior Week a distinctive note and prevent the affair from being tagged as the usual routine wrapped up in a little cold weather.

A mid winter graduation is something new, at least as far as the present student body is concerned; but perhaps it will be necessary to continue them. Therefore it would seem to be sound policy to plan the present Senior Week, not as a temporary function, but as something entirely new, to be built upon and enlarged.

THE TECH

College Curricula
Are Not Meeting
War Shortages

More than half of the 1942 graduates of American colleges and universities are not trained for work most essential to the war effort.

The graduates in social sciences, arts, and languages—48 per cent of all those completing their college careers—and those who are completing their work in agriculture and biology—another 10 per cent—will not find occupational shortages such as those now existing in engineering, the physical sciences, medicine and its related fields.

Acting on information concerning occupational shortages designated by the National Roster of Scientific and Specialized Personnel, the American Council on Education recently polled more than 1,000 colleges and universities, professional and technological colleges, and teacher-training institutions in an effort to establish how many professionally trained young people the institutions could release during the year.

Some of the facts established by the survey are:

145,187 undergraduates with training in occupational fields listed by the National Roster will be graduated by January 1943, but less than half of these will be in the fields in which shortages now exist. 27,093 graduate students will become available for employment during the period.

Men outnumber women two to one among the graduates. In some fields, for instance, engineering, the ratio is 600 to 1.

In general fields, the percentage of graduates will be: management and administration, 10 per cent; agriculture and biology 8 per cent; medicine and related fields, 10 per cent; engineering and physical sciences, 22 per cent; social sciences, 38 per cent; arts and languages, 10 per cent; clergy, 2 per cent.

Graduates in these fields number 13 of each 10,000 population in the United States. The ratio remains almost identical in all areas excepting New England, and the Rocky Mountain states. In New England, graduates number 20 in each 10,000 population; in the Rocky Mountain states, 7 in each 10,000.

The percentage of graduates in management and administration is highest in the South Atlantic states; in agriculture and biology in the West South Central states and the Rocky Mountain states; in medicine in the West North Central states; in engineering in the East North Central states; in social sciences, in the East South Central states; in arts and languages, in the Pacific states; and in clergy, in the East South Central.

One out of each four graduates in the New England states is a postgraduate student. The Southern states and the prairie states have the lowest number of post-graduate students.

Nine states, each with more than 6,000 graduates in 1942 account for about half of the graduates in these occupational fields in the United States. They are New York, with approximately 23,000; Pennsylvania, 13,000; Illinois, 10,500; Massachusetts, 10,000; California, 9,000; Ohio, 8,900; Michigan, 8,500; Texas, 7,000; Indiana, 6,000.

Enrollments are dropping from 8% to 25%, and faculty losses are heavy as the Selective Service drafts are enlarged and the manpower needs of industry grow.

Dr. C. S. Marsh, vice president of the American Council on Education, who directed the professionally-trained manpower survey in the institutions of higher learning, urged that the institutions make every effort to increase the number of graduates in the fields of shortage. "We know that our most vital resource lies in our ability to produce young men and women who are skilled in those professions and occupations necessary to the successful conduct of this war," he said.

Representatives of Industry
To Interview Students Aug. 10

that our records are complete. Blanks should indicate whether such students care to interview any of the industrial placement officers. Such interviews will be arranged as far as possible.

Placement blanks should be returned to Departmental Placement Officers by August third. It is usually difficult, if not impossible, to arrange interviews for men who do not submit complete personnel data. Two copies of photographs should be left with the Placement Officer as soon as possible after submitting the blanks. Blanks should not be held up for photographs.

A list of Departmental Placement Officers follows:

Course I	Prof. J. D. Mitsch—Seniors
	Prof. J. B. Wilbur—Graduates
Course II	Prof. A. L. Townsend—Seniors and Graduates
Course III	Prof. V. O. Homerberg
	Prof. F. H. Norton—Ceramics
Course IV	Prof. A. M. Gaudin—Mineral Dressing
Course V	Dean W. K. MacCormack
Course VI	Prof. L. F. Hamilton
Course VII	Prof. C. E. Tucker—Seniors
	Prof. K. L. Wildes—VI-A
Course VIII	Prof. J. C. Balsbaugh—Graduates
Course IX	Prof. B. E. Proctor
Course X	Prof. D. C. Stockbarger—Seniors
	Prof. P. M. Morse—Graduates
Course XI	Prof. R. G. Hudson
Course XII	Prof. H. P. Meissner—Seniors
	Prof. T. K. Sherwood—Graduates
Course XIII	Prof. E. Burtner
	Prof. L. B. Chapman—XIII-C
Course XIV	Prof. A. A. Houghton
Course XV	Prof. E. H. Schell—Seniors
	Prof. W. P. Fiske—Graduates
Course XVI	Miss O. Barnard—Secretary
Course XVII	Prof. J. S. Newell
Course XVIII	Prof. W. C. Voss
	Prof. G. P. Wadsworth

Men who have not yet met their Placement Officers should do so at once to acquaint them with their plans and desires.

For Boys To Play

By Gene Schnell

... it's been a long haul since Spring finals when the column was put to bed in face of the overwhelming last minute cram session so well adhered to by the select members of that far reaching course in Entertainment Engineering — Course XXV. In addition the typical summer session slump in social activities has set in on campus with the result that the trek into Beantown has again attained the foremost place on the social calendar of the numerous fun-seeking Techmen who remain in the vicinity for the weekends. Such being the case your columnist has a few suggestions to make—some old, some new—on Boston's nightlife possibilities.

... Boston, known for its beans, also has for a summer attraction only a good deal of heat along with New England's wonderful aptitude of keeping behind in modern conveniences, this time namely, air cooling units. For cocktails or a quiet "tete a tete" we suggest the Mural Lounge at the Hotel Kenmore, found to be sure, in Kenmore Square. Here one can relax in an atmosphere that has a preceptible decrease in temperature.

... strangely enough, a bit of New York's Greenwich Village is to be found in Bostontown. Complete with a Negro jazz band, colored floorshow, and general ramshackle-ness, so typical of the Village, The Ken offers good darktown entertainment. Swingsters would definitely be at home at the weekly, Sunday three to six matinee jam sessions, where visiting musicians sit in to add their "hot licks."

... the annual outdoor symphony concerts on the Esplanade commence tonight at eight o'clock with Arthur Fiedler conducting. The free concerts will be given in the Hatch Memorial Shell on the Em-bankment Road at the foot of Mt. Vernon Street. Carrying on in his inimitable style (hand on hip—oh don't you know), Fiedler can be depended upon for some more of his famous Pops renditions.

... major drawback of Boston's weekend nightlife is the exceptionally large crowds of merrymakers overflowing the entertainment spots. Table reservations are really becoming a necessity in the more popular places, especially on Saturday evening. A recent incident seems to indicate a sure bet when things have progressed to a point where expense no longer holds sway. One can be reasonably positive of a table at the Satire Room, Hotel Fenstage. Entertainment is some of the best Boston has to offer in this attractive lounge; however, there is on hand a satirically high-priced wine list that suggests the reasons for the absence of crowds. most strikingly of the younger set.

... by way of mention, holding a great popularity among the dancing spots is the Sky Garden of the Hotel Sheraton. Don Dudley and his orchestra holds sway with the South American way offered alternately by the Cubanairs.

... The Beachcomber has a good floorshow to offer in its tropical atmosphere; while the Ritz Roof is still one of the best spots in town—we suggest Dutch treat.

Seven Dormitory Men
Elected To Dorclan

Seven Dormitory residents were elected to Dorclan, honorary society at a meeting held two weeks ago. They were Bernard Brindis, J. Richard Foley, Gregory G. Gagarin, Loring F. Hosley, Edward C. McClaud, Jr., Robert A. Miller, and S. James Spitz, Jr.

The electees were initiated at a banquet in Pritchett Hall of Walker Memorial on Wednesday, July 15, at 7:00 P.M. This formal initiation followed an informal initiation period of one week.

S.A.E.TAKES BEAVER KEY TROPHY

Victory In Track Meet Cinches Championship For Frat Contingent

Senior A Is Second, Phi Gams, Goodale, Sigma Nu Follow

Taking first place in the track meet and occupying a round robin position in each of the other four tournaments, Sigma Alpha Epsilon won the Beaver Key intramural sports tournament of 1941-42 and retired the Beaver Key Trophy for the coming year. The S.A.E.'s were followed by Senior A, Phi Gamma Delta, Goodale, and Sigma Nu in that order.

The S.A.E.'s scored 104 points to Senior A's 91, Phi Gam's 83, Goodale's 53, Sigma Nu's 41, Sigma Chi's 37.5, Chi Phi's 34.5, Delta Kappa Epsilon's 30, Delta Tau Delta's 27, 5:15 Club's 26, Delta Upsilon's 24, Hayden's 20, Phi Delta Theta's 18, and Alpha Tau Omega's 10. All the other entrants each garnered a sum less than ten points.

Senior A captured first places in the basketball and volleyball tournaments. Phi Gamma Delta won the football tournament, and Sigma Nu fielded the champion softball contingent. Goodale piled up its 53 points by qualifying for the round robin in basketball and softball.

The present Beaver Key summer tournaments are extra and contribute nothing towards the winners' chances for winning the regular winter tournament series. Consequently, the official tourneys will not begin until fall when the regular term commences.

Beaver Key Tennis Matches Played; Five Teams Remain

S.A.E. Sigma Chi, Student House Reach Round Robin Play

The Beaver Key round robin tennis tournament has progressed to the point where only four teams remain unbeaten. The matches have been held during the past several weeks on the Tech courts.

The Delta Upsilon courtsters started their campaign by defeating the Phi Mu Delta men by a score of 2 to 1, but later dropped out of the tournament by a default. Sigma Chi outstrokes Delta Tau Delta to obtain a 2 to 1 victory and the S.A.E.'s similarly beat the S.A.M.'s. The netmen from the Student House have been untried as yet, having received a bye in the first round.

The Sigma Nu's and the Deke's have not played their scheduled match as yet. The winner of this match will be the fourth remaining team in the round robin.

In the matches which have been played thus far, the Sigma Chi's have proved to be the most outstanding. The smashing drives and smooth court play of the Sigma Chi racquetees has ranked them as the favorites in the current tournament.

3 Softball Leagues Accommodate Dorms, Frats, Courses, Navy

This summer more than ever before Technology men have shown a great interest in softball. Three separate leagues have sprung up; the Beaver Key tournament, the Senior House round robin, and the more or less informal competition among the various courses at the Institute. Because of the lack of regular athletic activities Tech men have turned to softball whole heartedly. Every evening at five, the new softball diamond is the scene of two games.

Two Beaver Key Leagues

The Beaver Key tournament is divided into two leagues; Alpha which consists of 6 teams, and Beta which has 5 teams. Each team plays every other team in the same league. At the present time it is difficult to determine which team is on top since there is a three-way tie

Official Notice

REVISED SUMMER SCHEDULE

—ALUMNI POOL

Effective Tuesday, July 14, 1942

At the request of the Institute Committee, the summer hours of the Alumni Pool have been revised to include Sunday swimming for a trial period. The complete schedule of pool hours is as follows:

Tuesdays—12:00-6:30 P.M.

Wednesdays—3:00-9:30 P.M.

(mixed swimming)

Thursdays—12:00-6:30 P.M.

Fridays—3:00-9:30 P.M.

Saturdays—12:00-6:30 P.M.

Sundays—3:00-9:30 P.M.

(mixed swimming)

The swimming pool will be closed all day on Mondays and holidays.

SWIMMING POOL COMMITTEE

on the basis of their course. In all there are 7 teams. The league standing is as follows:

	Won	Lost
Navy team No. 1	4	1
Senior B	3	1
Navy team 4	3	1
Senior A	2	1
Navy team No. 3	2	1
Senior C	0	3
Navy team No. 2	0	4

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OPEN 10:30 A.M. TO 7:30 P.M.

Closed Sundays and Holidays

REAL YANKEE COOKING

Senior House Residents To Picnic On August 1

The Senior House picnic, which was postponed from July 11, will be held on Saturday, August 1, at the Stowe Country Club. Trucks will leave for the Club from the Senior House at 11:00 A.M. and at 1:30 P.M. and will return at 6:00 P.M. and at 11:00 P.M.

A picnic lunch and beverages will be provided free of charge to residents of the Senior House. There will be facilities for golf, tennis, softball, swimming, bowling, and ping pong.

The Massachusetts Institute of Technology

CAMBRIDGE, MASSACHUSETTS

THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY offers the following Professional Courses:

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SCHOOL OF SCIENCE

Biology and Public Health	Geology
Options: Biology	Options: Geology
Biology and Public Health	Mineral Resources
Public Health Engineering	
Biophysics & Biological Engineering	Mathematics
Food Technology and Industrial Biology	Options: Pure Mathematics
Chemistry	Applied Mathematics
General Science	Industrial Statistics
	Physics
	Options: General Physics
	Applied Physics

SCHOOL OF ENGINEERING

Aeronautical Engineering	Electrical Engineering—
Building Engineering and Construction	Cooperative Course
Business and Engineering Administration	General Engineering
Options:	Marine Transportation
Based on Physical Sciences	Mechanical Engineering
Based on Chemical Sciences	Options:
Chemical Engineering	General
Chemical Engineering Practice	Automotive
Civil Engineering	Heat
Electrical Engineering, including Options:	Materials and Design
Illuminating Engineering	Mechanical Engineering—
Electrical Communications	Cooperative Course
	Metallurgy
	Naval Architecture and Marine Engineering
	Sanitary Engineering

Each of the above undergraduate Courses is of four years duration, with the exception of Architecture, City Planning, Biophysics and Biological Engineering, Marine Transportation, and the cooperative Courses in Electrical Engineering and in Mechanical Engineering, which extend over a period of five years, and City Planning Practice which covers a period of six years. In addition to the Bachelor's degree, the above five and six year Courses, with the exception of Architecture and City Planning, lead also to the Master's degree.

Graduate study, leading to the Master's and Doctor's degrees, is offered in Ceramics, Meteorology, and in most of the above professional Courses.

A five year Course is offered which combines study in Engineering or Science, and Economics. This leads to the degree of Bachelor of Science in the professional field, and to the degree of Master of Science in Economics and Engineering or Economics and Natural Science.

The Summer Session extending from June to September includes many of the undergraduate subjects given during the academic year.

For information about admission, communicate with the Director of Admissions.

The following publications will be sent free on request:

Catalogue for the academic year
Summer Session Bulletin

SAVE A DOLLAR
BUY A SENIOR WEEK
OPTION EARLY

\$4.00 APIECE

SALES PERIOD
JULY 30-AUG. 4

Dormitory-Sponsored Dance For Institute Men And Women To be Held at Walker, July 31

**Baron Hugo to Play;
Tickets go on Sale
July 28 at 75c.**

Technology students and secretaries and Radcliffe summer students will have a chance to get acquainted Friday night, July 31, at Walker from nine till one when Baron Hugo will play at an all-stag dance sponsored by the Dormitory Committee.

Tickets will go on sale Tuesday, July 28, in the Main Lobby of Building 10 at 75c, and the dormitories will be canvassed by members of the dance committee. The young ladies from Radcliffe and those under the employ of the Institute will be admitted free of charge. Everyone is expected to go to the dance stag.

Committees In Charge

The committee in charge consists of Gregory G. Gregarin, '43, chairman; Harold J. Gershenow, '43; Edward Epremian, '43, and Eugene A. Schnell, '44. Cassie Mallory, Peggy Mallory, Elsa Lofgren, and Ruth Hyland, employees of the Institute, represent the women which have been invited. A meeting of the two committees is to be held soon for the purpose of completing arrangements.

Baron Hugo, well known locally, will supply the music. His orchestra consists of nine men and recently he has acquired a charming new vocalist. Hugo last played for Technology at the freshman fall acquaintance dance last year.

This dance will be the second which has been sponsored by the Dormitory Committee this summer. The first affair, a record dance, was held at Pritchett Hall, Saturday night, June 27.

Inst. Committee

(Continued from Page 1)

Enlivened by discussion of wartime problems of Institute undergraduates, Dr. Karl T. Compton's annual dinner meeting for members of the Institute Committee was held July 9, in the Dutch Room of the Graduate House.

Acceleration Discussed

Interest at the meeting centered around problems arising from the semi-accelerated undergraduate schedules and suggestions were forwarded for possible changes for future years.

Members of the Faculty and Administration present at the meeting were Dr. Karl T. Compton, President; Mr. Horace S. Ford, Treasurer; Mr. Delbert L. Rhind, Bursar; Mr. Harold E. Lobdell, Dean of Students; Mr. Thomas P. Pitre, Associate Dean; Professor Leicester F. Hamilton; and Mr. James R. Killian, Executive Assistant to the President.

A.I.Ch.E. Hears Talk By Dr. Harold E. Graves

Dr. Harold E. Graves of Worcester Polytechnic Institute chemical engineering department spoke to the Technology student chapter of American Institute of Chemical Engineers at a small dinner meeting in the Graduate House last night.

Dr. Graves discussed the speed-up in effect at many engineering colleges as well as telling of many interesting experiences in chemical engineering. It is planned to have Dr. C. P. Baker of Northeastern University address the group in the near future.

Scabbard and Blade Society Elects 18 Men To Membership

Dr. Williams Is Appointed Deputy Dean

Metallurgy Dept. Head Will Assist in Duties Of Dean Moreland

Dr. Robert S. Williams, head of the Department of Metallurgy at the Institute, was appointed Deputy Dean of Engineering, it was announced by President Karl T. Compton at the end of last month. Dr. Williams will assist in the duties of Dean Edward L. Moreland who will spend part of his time in Washington as consultant to the chairman of the National Defense Research Committee of the Office of Scientific Research and Development.

Dr. Williams is a widely known authority in the field of metallurgy and has been associated with the Institute as student and member of the faculty since 1898. He is a native of Hartford, Conn., and was graduated from the Institute in 1902. Later he studied abroad and then returned to accept a staff position at the Institute. He has been head of the department of metallurgy since 1937. Dr. Williams has been largely responsible for the establishment of the Institute's courses and equipment in metallurgy, the treatment of alloys, spectroscopic and x-ray analysis, as well as microscopic investigations. He is a fellow of the American Academy of Arts and Sciences, the American Institute of Mining and Metallurgical Engineers, the American Society of Testing Materials, and the British Institute of Metals. His home is in Belmont.

Many Courses Open To Women

Flying Instruction, Defense Training Boom Women's Enrollment

A greater number of women than ever before are present at the Institute this summer as the result of several special courses related to the defense effort. Two of the more important of these are the pre-flight aerodynamics and aviation courses and the defense training courses, which have just started admitting women.

The pre-flight courses are for public school teachers who will teach these same courses in the junior and senior high schools next fall. This is part of the Civilian Pilot Training Ground School and is free to these school teachers. The topics covered are meteorology, navigation, civil air regulations and the general servicing and operation of aircraft, aerodynamics and structures and aircraft operation.

All are being offered by the department of aeronautical engineering in the Guggenheim laboratories.

The defense training courses, offered by six local colleges and universities and sponsored by the United States Office of Education, is giving preference to women students along with men not affected by the draft, in courses with heavy registration. The Institute is offering an introductory course in aeronautical engineering as well as acting as the center of administration of the courses.

Honorary Military Society Initiation First Week in August

Scabbard and Blade, honorary military fraternity, elected eighteen advanced R.O.T.C. men to membership on Wednesday, July 8. Their initiation will take place the first week of August.

Those chosen were Alfred B. Babcock, William B. Bryant, Gage H. Crocker, Anthony A. del Valle, Frank E. French, John R. Gunther, Jean C. Hartshorne, Charles H. Hathaway, Steven Heller, Charles J. Lawson, William O'Neil, Richard B. Morrison, Frederick G. Perry, Lloyd E. St. Jean, Myron A. Shoffner, John H. Spencer, William H. Verrochi, and Benjamin F. Wilbour, all of the class of forty-three.

Following a smoker held July 8, attended by Colonel Edward W. Putney, Major Arthur D. Caswell, Major Burdette H. Buckingham, and Captain Charles H. Thyng, all of the Military Science department, Scabbard and Blade elected the above initiates. The initiation, which will consist of intensive drill and instruction, will culminate in a fifteen mile hike Friday, August 7.

Garbed in full uniform, and loaded down with the equivalent weight of a soldier's full field equipment, the initiates will start on the hike early in the evening, and most of them won't return until time for breakfast the next morning, judging by the experiences of the initiates of past years.

Research, Instruction (Continued from Page 1)

February 6, 1943. One part of the course is of special interest to public health engineers, and is open only to graduates of recognized schools of engineering. A second program is being given for public health administrators and is limited to graduates of approved medical schools only.

A third program for public health bacteriologists has also been established to equip college graduates with a basic training in physics, chemistry, and biology for diagnostic laboratory work with military or civilian organizations. A fourth course is offered for public health educators.

A special course in industrial statistics for workers in industrial and scientific laboratories who require the rudiments of modern statistical technique as applied to inspection, the design and analysis of factory and laboratory experiments, and the control of the quantity of output, was given from June 15 through June 27.

Another program in city and regional planning is being offered at the present time under the joint sponsorship of the School of Architecture and the American Society of Planning Officials.

\$4.00 Price

(Continued from Page 1)

to be followed by an informal party — probably an informal dance — on the next day. Class day exercises will follow, probably to be followed by a tea dance in the afternoon. Other events will be the alumni banquet, the Baccalaureate services, which will be held Sunday afternoon, graduation on Monday morning, the President's reception Monday afternoon, and the banquet and ball Monday evening at the Hotel Statler.

M.I.T. Sponsors Meeting On Fire Prevention

To meet the urgent need for education regarding fire protection, particularly during the present emergency, Technology was the sponsor of a three day conference on fire protection engineering from the twenty-second to the twenty-fourth of last month. The Department of Building Engineering and Construction and the School of Architecture in cooperation with the National Fire Prevention Association handled the Conference.

Dr. Karl T. Compton, Institute president, opened the session with an address on "The Importance of Fire Protection and the War." Following Dr. Compton's opening address, Horatio Bond, Chief Engineer of the National Fire Protection Association, spoke on "Fire Losses in the Home." Professor Erwin H. Schell, head of the department of business and engineering administration presented a paper on "Fire Losses in Business."

James F. Crafts, Fireman's Fund Insurance Company, discussed "Principles of Fire Insurance," and Professor Edward R. Schwartz of M.I.T. spoke on "Occupancy Fire Hazards." An experimental lecture on "The Chemistry of Fire" was given by Professor Arthur R. Davis of the department of chemistry. Presiding at the morning session was Percy Bugbee, General Manager of the National Fire Protection Association.

Mr. Bond presided at Tuesday's session when the first paper, "Common Fire Hazards," was presented by Harvey C. Abbott of the New England Fire Insurance Rating Association. The second paper was one by Professor Walter C. Voss, head of the department of building engineering and construction, who spoke on "Homes and Business Buildings," while Professor Howard R. Staley of the same department read a paper on "Exits, Fire Walls,

and Construction Details." A paper presented by Professor Frederick J. Adams, head of the Institute's course in city planning and housing, discussed "City Planning and Zoning." Professor Walter R. MacCornack, dean of the School of Architecture spoke on "Political Obstacles to Legislation," and Samuel J. Pope, Chief of the Boston Fire Department, discussed "Public Fire Departments."

At the dinner held in Walker Memorial on Tuesday evening, the speaker was Professor John E. Burchard, Director of the Bemis Foundation, and executive officer of the Committee on Passive Protection Against Bombing, National Academy of Science, whose subject was "The War and Fire." His address was illustrated by motion pictures of incendiary bombing attacks.

Professor Voss presided at Wednesday's session, which was opened with a paper by Professor Thomas R. Camp of the Institute's department of civil and sanitary engineering, who spoke on "Water Supplies." A. L. Brown, chief engineer of the Associated Factory Mutual Fire Insurance Companies, discussed "Private Fire Protection," and N. J. Thompson, director of the Factory Mutual Laboratories, chose "Hazardous Processes and Materials" as the subject of his paper. "Fire Protection Information" was the subject of a paper presented by Mr. Bond, and Robert S. Moulton, technical secretary of the National Fire Protection Association, brought the session to a close with an address on "Fire Protection in the Home and Business."

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